

## **REMARKS**

Applicant expresses appreciation to the Examiner for consideration of the subject patent application. This amendment is in response to the Office Action mailed May 15, 2006. Claims 1-34 are currently pending in the application and stand rejected. Claims 9, 18, 27, 30 and 31 have been amended to address the examiner's concerns.

A new and corrected declaration is attached as required by the Examiner.

### **Claim Objections**

Claims 9, 18, and 31 have been amended to replace "PPN" with "powered peripheral node (PPN)" as required by the examiner.

### **Claim Rejections - 35 U.S.C. § 112**

Claims 27-28, 30-34 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 27 and 30 have been amended to replace "the system data bus" with "the system bus" for which antecedent basis has been provided.

### **Claim Rejections - 35 U.S.C. § 102**

Claims 1-6, 10-12, 15, 21-23, and 29 (including independent claims 1, 11, and 29) were rejected under 35 U.S.C. § 102(a) as anticipated by U.S. Patent No. 6,631,418 to Watkins (hereinafter "*Watkins*"). Applicant respectfully traverses the rejection.

*Watkins* fails to teach a wireless data connection as claimed in independent claim 1. In particular, *Watkins* fails to teach or suggest how an ultra-thin client can be in data communication with a concurrency device *via wireless data connection*.

The office action cites *Watkins* as showing a wireless data connection via a parabolic antenna (item 116 in FIG. 1). The parabolic antenna is used merely symbolically, however, and *Watkins* provides no teachings whatsoever concerning wireless data connections.

For example, in text, *Watkins* describes a “high bandwidth network channel, represented by a parabolic antenna” (col. 3, lines 60-63) without making any mention of wireless data communications. If the disclosure of *Watkins* actually encompasses wireless data communication, it would be expected that *Watkins* would include some description of the types of equipment, frequency of operation, modulation format, communications protocol, or other aspects of establishing a wireless data communication link. The teachings of *Watkins*, however, are limited to discussions of ATM, cable modems, and DSL as the sole examples of communications links between the multimedia terminal and server (col. 4, lines 3-9; col. 8, lines 32-34; col. 9, lines 30-33). As is known in the art, ATM, cable modems, and DSL are wired, not wireless, links.

Assuming arguendo that the parabolic dish is representative of a wireless link of some type, at best *Watkins* is merely suggestive of something akin to a television receiver when the teachings of *Watkins* are considered in their full context. Throughout, *Watkins* discusses video reception, and even specifically states that “with a server port connected to the server by modem, the multimedia terminal may attain access to the Internet, rather than be limited to the reception of limited-channel television signal feed” (col. 6, lines 32-36). Reception of the high bandwidth network channel is further described as being a one way channel from the server to the multimedia terminal (col. 4, lines 3-5: “[t]he high bandwidth channel may preferably have a capacity of more than 10 Mb/s for *reception* by the multimedia terminal”). Communication from the multimedia terminal back to the server is via a cable modem (col. 4, lines 5-8: “transmission from the multimedia terminal may be satisfied with a lower capacity channel such as a cable modulator/demodulator”).

Therefore, even if the parabolic dish is suggestive of wireless communication (which Applicant does not admit is correct), the teachings of *Watkins* at best suggests one-way data communication using television type transmitting equipment and parabolic (e.g. satellite) dishes. This falls short of enabling one of skill in the art to construct an ultra-thin client network system as claimed. For example, mere one way wireless communication would not enable an ultra-thin client to share in a processing capability of the processing center, since it would not be possible for the ultra-thin client to run an application on the processor as claimed without two way

communications between the ultra-thin client and the application running on the processor. Were communication to be partly wired and partly wireless, this would fall outside the scope of claim 1, which requires a *wireless* data connection between the concurrency device and the plurality of ultra-thin clients.

Accordingly, *Watkins* fails to fairly teach or suggest to one of skill in the art an ultra-thin client having a wireless data connection in data communication with a concurrency device to enable sharing of a processor between a plurality of clients, as claimed in claim 1. As the cited reference fails to disclose all of the limitations of claim 1 this claim is therefore allowable for at least this reason.

Independent claims 11 and 29 contain similar limitations as claim 1, and thus are also allowable for at least this reason.

Dependent Claims 2-6, 10, 12, 15, and 21-23, being narrower in scope, are allowable for at least the reasons for which their corresponding independent claims are allowable.

### **Claim Rejections - 35 U.S.C. § 103**

Dependent claims 13, 14, 16, and 27-28 were rejected under 35 U.S.C. 103(a) as being unpatentable over *Watkins*. Being dependent claims, these claims are allowable for at least the reasons cited above.

With respect to claims 13, 14 and 16, as stated in the Office Action, *Watkins* fails to teach the additional limitations of these dependent claims. Applicant respectfully submits that *Watkins* fails to provide a suggestion or motivation to modify the teachings of *Watkins* to obtain the claimed limitations. The Office Action appears to improperly rely on Applicant's disclosure for the motivation to modify the teachings of *Watkins*. Withdrawal or clarification of the rejection is therefore requested.

Dependent claims 7-9, 17-20, 24-26 and 30-34 were rejected under 35 U.S.C. 103(a) as unpatentable over *Watkins* in view of the disclosure of the present application. Being dependent claims, these claims are allowable for at least the reasons cited above.

With respect to claims 8, 9, 18-20, 31 and 32, as stated by the Office Action, *Watkins* fails to teach a powered peripheral node. As defined by the Applicant, a “powered peripheral node” includes multiple peripheral devices which share a power supply and a data connection to the processing center (specification, page 11, lines 24-34; page 12, line 32 – page 13, line 21). Such a device is also not described by Applicant’s background section as cited by the office action. Accordingly, these claims are also allowable for at least this reason.

With respect to claim 26, 33 and 34, as stated in the Office Action, *Watkins* fails to teach a shared peripheral device being remote from the processing center. Applicant respectfully submits that *Watkins* fails to provide a suggestion or motivation to modify the teachings of *Watkins* to obtain the claimed limitation. The Office Action appears to improperly rely on Applicant’s disclosure for the motivation to modify the teachings of *Watkins*. Withdrawal or clarification of the rejection is therefore requested.

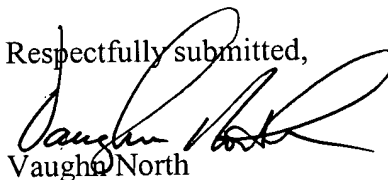
### CONCLUSION

In light of the above, Applicant respectfully submits that pending claims 1-34 are now in condition for allowance. Therefore, Applicant requests that the rejections and objections be withdrawn, and that the claims be allowed and passed to issue. If any impediment to the allowance of these claims remains after entry of this Amendment, the Examiner is requested to call Vaughn North at (801) 566-6633 so that such matters may be resolved as expeditiously as possible.

The Commissioner is hereby authorized to charge any additional fee or to credit any overpayment in connection with this Amendment to Deposit Account No. 08-2025.

DATED this 15<sup>th</sup> day of August, 2006.

Respectfully submitted,



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